



Certificate of Compliance

Certificate: 70013318

Master Contract: 155335

Project: 80179589

Date Issued: 2023-09-26

Issued To: Tescom Corporation
Industrial Controls Division
12616 Industrial Blvd
Elk River, Minnesota, 55330
United States

Attention: Alex Krebs

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Issued by: Mahmoud Ahmed
Mahmoud Ahmed



PRODUCTS

CLASS - C225802 - PROCESS CONTROL EQUIPMENT For Hazardous Locations

CLASS - C225882 - PROCESS CONTROL EQUIPMENT For Hazardous Locations - Certified to US Standards

**Class I, Division 1, Groups B, C & D TXX; Class II, Division 1, Groups E, F, & G; Class III;
Ex db IIB+H2 TXX Gb
Ex tb IIIC T100°C Db IP6X
Zone 1, AEx d IIB+H2 TXX Gb
Zone 21, AEx tb IIIC T100°C Db IP6X**

Electropneumatic Controller
Model: ER5050xx-x-xxx



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Input Ratings: 20.5 to 28.5Vdc, 350mA maximum (180 mA nominal)
 MWP: 758 kPa (110 psi)
 Type 4X, IP66

Temperature Code	Ambient Temperature Range
T5	-20°C ≤ Ta ≤ +60°C
T6	-20°C ≤ Ta ≤ +55°C

Conditions of Use :

1. The equipment shall only be used with process gases which are classified for equipment group IIA and must not contain oxygen or any other oxidizer in concentrations greater than that found in normal air.
2. For dust applications, avoid installation that could cause electrostatic build-up on coated surface and only clean coated surface with a damp cloth.

APPLICABLE REQUIREMENTS

C22.2 No 30-M1986	Explosion-Proof Enclosures for Use in Class I Hazardous Locations Industrial Products
C22.2 No 94-M91 (R2001)	Special Purpose Enclosures
C22.2 No. 25- 1966 (R2004)	Enclosures for Use in Class II Groups E, F and G Hazardous Locations
C22.2 No. 60079-0-11	Electrical apparatus for explosive gas atmospheres – Part 0: General Requirements
C22.2 No. 60079-1:16	Electrical apparatus for explosive gas atmospheres – Part 1: Flameproof Enclosures “d”
C22.2 No. 60079-31:12	Explosive Atmospheres – Part 31: Equipment Dust Protection by Enclosure “t”
C22.2 No. 61010-1:12	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
ANSI/ISA 61010-1:12	Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use, Part 1: General Requirements
UL 1203, 5 th Edition	Explosion-proof and Dust-Ignition-Proof Electrical Equipment (Classified) Locations.
UL 60079-0: 6 th Edition	Electrical apparatus for explosive gas atmospheres - Part 0: General Requirements.
UL 60079-1: 7 th Edition	Electrical apparatus for explosive gas atmospheres – Part 1: Flame-Proof Enclosures “d”
UL 60079-31: 2 nd Edition	Explosive Atmospheres – Part 31: Equipment Dust Protection by Enclosure “t”
UL 50 11 th Edition	Enclosures for Electrical Equipment

MARKINGS

The manufacturer is required to apply the following markings:



Certificate: 70013318
Project: 80179589

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- Products shall be marked with the markings specified by the particular product standard.
 - Products certified for Canada shall have all Caution and Warning markings in both English and French.

Additional bilingual markings not covered by the product standard(s) may be required by the Authorities Having Jurisdiction. It is the responsibility of the manufacturer to provide and apply these additional markings, where applicable, in accordance with the requirements of those authorities.

The products listed are eligible to bear the CSA Mark shown with adjacent indicators 'C' and 'US' for Canada and US (indicating that products have been manufactured to the requirements of both Canadian and U.S. Standards) or with adjacent indicator 'US' for US only or without either indicator for Canada only.

Nameplate material: Nameplate is manufactured from either aluminum or 300 series stainless steel, and mechanically secured to the enclosure cover by four drive screws. The markings are silkscreened using black epoxy paint with a clear coat followed by an epoxy overcoat.

1. Submittor's name, trademark, or the CSA file number (adjacent the CSA Mark).
2. Catalogue / Model designation.
3. Complete electrical rating (amps, and volts).
4. Serial number traceable to month and year of manufacture.
5. Hazardous Location Ratings
6. Ambient Temperature: See products section.
7. Enclosure Type 4X/IP66
8. The maximum working pressure (MWP) in pascals: 759kPa
9. The CSA Mark with the "c" and "us" qualifiers.
10. The following bilingual cautions
 - a. "WARNING: DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT"
NE PAS OUVRIR EN PRESENCE D'UNE ATMOSPHERE EXPLOSIVE.
 - b. "WARNING: SEAL ENCLOSURE WITHIN 18 INCHES"
SCELLER LE CONDUIT DANS LES 18 POUCES.
 - c. "WARNING: SEE INSTALLATION DOCUMENT"
VOIR DOCUMENT D'INSTALLATION.



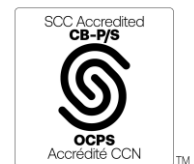
Certificate: 70013318
Project: 80179589

Master Contract: 155335
Date Issued: 2023-09-26

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- d. “WARNING: ALL CABLE, CABLE GLANDS & CONDUCTORS NEED >85°C RATING” –
TOUS LES CABLES. PRESSE-ETOUPEES ET CONDUCTEURS DOIVENT ETRE >85°C
 - e. “WARNING: POTENTIAL ELECTROSTATIC HAZARD – SEE INSTRUCTIONS
RISQUE ELECTROSTATIQUE POTENTIEL. VOIR LES INSTRUCTIONS

Notes:

Products certified under Class C225802 have been certified under CSA’s ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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Master Contract: 155335

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
80179589	2023-09-26	Model Certification to update report 70013318 to include the allowance of clause 7.4.2c for coatings (alongside current 7.4.2a). This would allow for alternative coatings given the thickness is limited. Update a drawing with the paint thickness requirement. Addition of a Specific Condition Of Use for the Avoidance off Electrostatic Charge Buildup for Group III
80105768	2023-07-07	Modification of report 70013318 and introduction of alternate construction features.
70169346	2018-01-15	Update to report 70013318 to include revised drawing ERAA10010.
70136293	2017-05-26	Update to report 70013318 to include revised drawing ERAA10010.
70013318	2015-10-19	Certification of Models ER5050xx-x-xxx to include Class I, Division 1, Groups BCD, Class II Groups EFG, Class III and Zone 1 Ex db/AEx d IIB+H2, Zone 21 Ex/AEx tb IIIC.